621F
721F
Tier 4B (Final)
Wheel Loader

OPERATOR'S MANUAL

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CASE CONSTRUCTION

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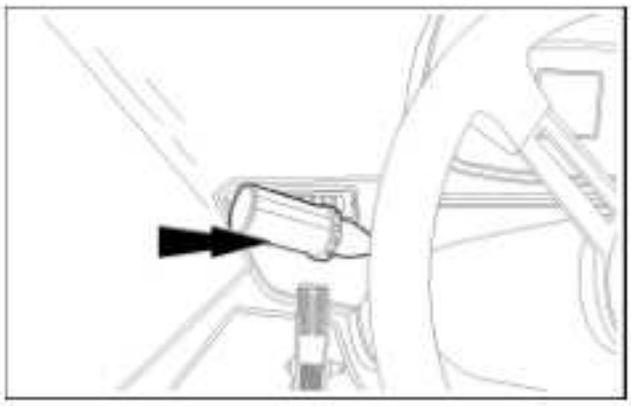
Every 50 hours

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Transmission control lever

Use the transmission control lever to shift the transmission gears from first through fourth gear. Turn the transmission control lever away from you to select a higher gear. Turn the lever toward you to select a lower gear. Also use This control lever to put the transmission in FORWARD, NEUTRAL, and REVERSE (F-N-R):



- Move the control lever away from you for FORWARD.
- The center position of the control lever is NEUTRAL.
- Move the control lever toward you for REVERSE.

All the following steps are required in order to use the transmission control lever:

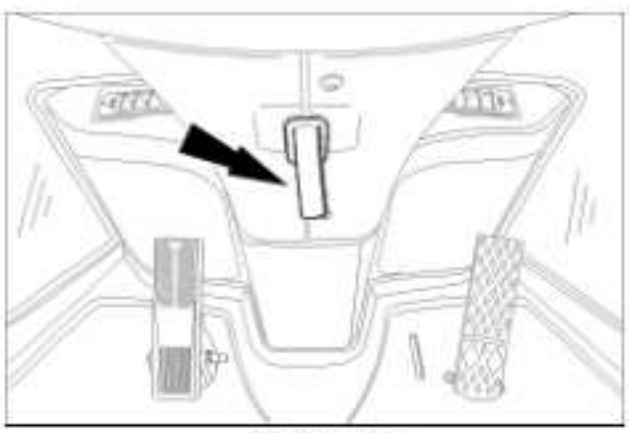
1. Service brake pressure must be at operating pressure.
2. Transmission control lever must be in NEUTRAL.
3. Push down on the bottom of the parking brake switch to release the parking brake switch.

NOTE: *if the parking brake was NOT set when the machine was turned OFF, the parking brake switch must be cycled at step 3.*

4. Place the transmission control lever in either FORWARD or REVERSE to move the machine.

Steering wheel tilt control

The steering wheel tilt control allows the steering wheel to be adjusted to multiple positions. Pull the handle up, and adjust the steering wheel to the correct and most comfortable angle. Release the control to hold in that position. Tilt the steering wheel completely up when leaving the machine. Always adjust the steering wheel to the correct position before starting the engine.



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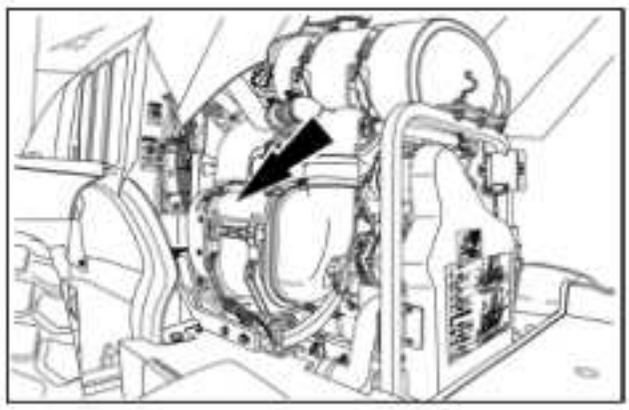
Engine air filters - Replace

Check the engine air filter periodically for dirt and debris build up. Replace the engine primary and secondary air filter every 2000 hours or each year, whichever occurs first.

Prior operation:
Keep all non-authorized personnel clear of the area. Park the machine on level ground, in neutral with the parking brake applied and the attachment lowered to the ground.

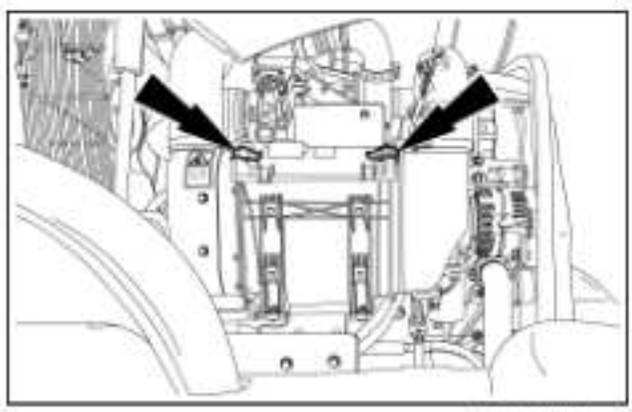
NOTE: *replace the primary element if the filter warning lamp on the instrument cluster illuminates or the audible alarm sounds. if the caution warnings continue after he primary filter replacement, replace the secondary filter as well.*

1. Lower the bucket/attachment to the ground and install the transport/service link into the locked position.
2. Raise the engine hood to access the engine air filters. The engine air filter is located on the left-hand side of the machine, behind the main engine compartment.



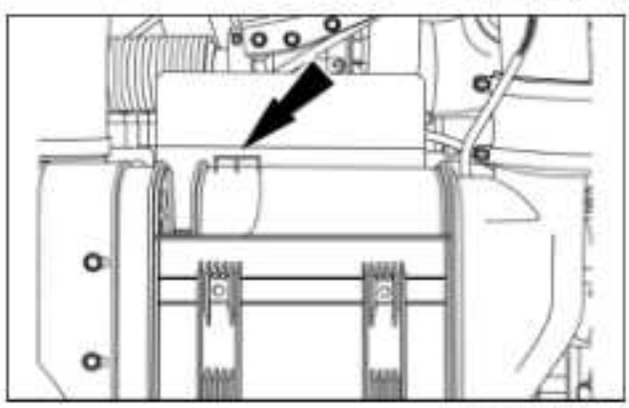
1

3. Release the four clips that secure the filter cover.
4. Remove the cover.



2

5. Remove the primary filter by sliding it towards the front of the machine and lifting up on the handle.
   After the primary filter removal, wipe the inside of the filter housing body clean of any dirt and debris prior to removing the secondary filter.



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XR Lift capacities

The following table lists hydraulic lift capacities for XR lift applications:

	Bolt-on Edge Bucket	Bucket with Teeth
621F XR Specifications- **1.91 m³ (2.50 yd³)** GP Pin On		
Full height	**7185 kg (15840 lb)**	**7227 kg (15932 lb)**
Maximum reach	**9282 kg (20464 lb)**	**9333 kg (20576 lb)**
Ground	**11533 kg (25427 lb)**	**11237 kg (24774 lb)**
621F XR Specifications- **2.10 m³ (2.75 yd³)** GP Pin On		
Full height	**7151 kg (15765 lb)**	**7192 kg (15857 lb)**
Maximum reach	**9238 kg (20367 lb)**	**9289 kg (20479 lb)**
Ground	**11427 kg (25192 lb)**	**11528 kg (25415 lb)**
621F XR Specifications - **2.3 m³ (3.0 yd³)** Light Material Pin On		
Full height	**7104 kg (15661 lb)**	Not applicable
Maximum reach	**9181 kg (20240 lb)**	Not applicable
Ground	**11296 kg (24904 lb)**	Not applicable
621F XR Specifications- **2.3 m³ (3 yd³)** with Grapple		
Full height	**6672 kg (14710 lb)**	Not applicable
Maximum reach	**9724 kg (21439 lb)**	Not applicable
Ground	**8640 kg (19047 lb)**	Not applicable
621F XR Specifications - **3.4 m³ (4.5 yd³)** Light Material Pin On		
Full height	**7075 kg (15598 lb)**	Not applicable
Maximum reach	**9120 kg (20106 lb)**	Not applicable
Ground	**10903 kg (24037 lb)**	Not applicable
621F XR Specifications - **1.9 m³ (2.5 yd³)** GP on CNH Quick Coupler (JRB Compatible)		
Full height	**6767 kg (14919 lb)**	**6809 kg (15011 lb)**
Maximum reach	**8798 kg (19397 lb)**	**8849 kg (19508 lb)**
Ground	**10615 kg (23402 lb)**	**10716 kg (23624 lb)**

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